Title (en)
IMAGE PROCESSING DEVICE, IMAGING DEVICE, IMAGE PROCESSING METHOD

Title (de)
BILDVERARBEITUNGSEINRICHTUNG, ABBILDUNGSEINRICHTUNG, BILDVERARBEITUNGSVERFAHREN

Title (fr)
DISPOSITIF DE TRAITEMENT D'IMAGE, DISPOSITIF D'IMAGERIE, PROCEDE DE TRAITEMENT D'IMAGE

Publication
EP 1650711 B1 20150304 (EN)

Application
EP 04747673 A 20040716

Priority
• JP 2004010208 W 20040716
• JP 2003199357 A 20030718
• JP 2003199358 A 20030718
• JP 2004167588 A 20040604
• JP 2004167589 A 20040604

Abstract (en)
[origin: EP1650711A1] An image including a face is input (S201), a plurality of local features are detected from the input image, a region of a face in the image is specified using the plurality of detected local features (S202), and an expression of the face is determined on the basis of differences between the detection results of the local features in the region of the face and detection results which are calculated in advance as references for respective local features in the region of the face (S204).

IPC 8 full level
G06K 9/00 (2006.01); **G06T 7/20** (2006.01)

CPC (source: EP US)
G06T 7/73 (2016.12 - EP US); **G06V 20/10** (2022.01 - EP US); **G06V 40/16** (2022.01 - US); **G06V 40/171** (2022.01 - EP US); **G06V 40/174** (2022.01 - EP US); **G06V 40/176** (2022.01 - EP US); G06T 2207/10016 (2013.01 - EP US); G06T 2207/20084 (2013.01 - EP US); G06T 2207/30201 (2013.01 - EP US)

Citation (examination)
• WO 0209025 A1 20020131 - SEEING MACHINES PTY LTD [AU], et al
• US 6181805 B1 20010130 - KOIKE HIDEKI [JP], et al

Cited by
EP3295371A4; US2017024606A1; US10037455B2; US2022172383A1; US8208732B2; US11775836B2; US10255529B2; US10963758B2; US11657286B2; EP2955662A1; EP3358501A1; US10275902B2; US10636159B2; US11216965B2; US8238618B2; US8260012B2; US8260041B2; US8406485B2; US8416996B2; US8416999B2

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DOCDB simple family (publication)
EP 1650711 A1 20060426; **EP 1650711 A4 20080514**; **EP 1650711 B1 20150304**; EP 2955662 A1 20151216; EP 2955662 B1 20180404; EP 3358501 A1 20180808; EP 3358501 B1 20200101; US 2006115157 A1 20060601; US 2013301885 A1 20131114; US 8515136 B2 20130820; US 8942436 B2 20150127; WO 2005008593 A1 20050127

DOCDB simple family (application)
EP 04747673 A 20040716; EP 15151440 A 20040716; EP 18157708 A 20040716; JP 2004010208 W 20040716; US 201313944038 A 20130717; US 33013806 A 20060112